

## ABSTRACT OF JP 05125400

L2 ANSWER 7 OF 9 CA COPYRIGHT 2001 ACS  
 AN 119:162902 CA  
 TI Manufacture of caking-resistant nonionic surfactant granule compositions with high **bulk density** and flowability  
 IN Yamashita, Hiroyuki; Kondo, Hiroyuki; Hatano, Koichi; Nakano, Katsunori; Toyoda, Koji  
 PA Kao Corp, Japan  
 SO Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese  
 IC ICM C11D017-06  
 ICS C11D011-00  
 CC 46-3 (Surface Active Agents and Detergents)  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05125400	A2	19930521	JP 1992-107460	19920427
PRAI	JP 1991-112929		19910517		
	JP 1991-194268		19910802		
AB	The title compns. (bulk d. 0.6-1.2 g/mL) are prep'd. from 15-70 parts oil-absorbent porous carrier (pore vol. 100-600 cm <sup>3</sup> /100 g, sp. surface area 20-700 m <sup>2</sup> /g, oil absorption >100 mL/100 g) and 30-85 parts nonionic surfactants in a stirred vessel by forming a powder adhesion layer on the vessel wall forming a clearance from the stirring blades, granulating such layer into high-d. granules by the stirrer blade, and <b>coating</b> the granules with <b>fine powder</b> . Granules were prep'd. from 65 parts polyoxyethylene dodecyl ether and 35 parts amorphous silica, covered with 2 parts amorphous silica.				
ST	caking resistant nonionic surfactant granule; silica nonionic surfactant granule				
IT	Surfactants (nonionic, granules of, manuf. of, caking-resistant)				
IT	546-93-0, Magnesium carbonate 7631-86-9, Silica, uses RL: USES (Uses)				
	(in caking-resistant nonionic surfactant manuf.)				
IT	9002-92-0, Polyoxyethylene dodecyl ether RL: TEM (Technical or engineered material use); USES (Uses) (surfactants, granules, manuf. of caking-resistant)				

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